

IN THE CLAIMS

Claims 1 - 15 (Cancelled)

16. (New) A fluid device (1; 20; 40; 50; 60; 70; 80; 90; 90'; 90") for recovery of the kinetic energy of vehicles, comprising an intake pipe (13), a delivery pipe (15), and a pumping unit (7; 22; 104), which is connected to said intake pipe (13) and to said delivery pipe (15) for sending fluid under pressure from said intake pipe (13) to said delivery pipe (15), and one elastically deformable actuating element (22; 76), which is suitable for being set along a road or railway course (3; 75) of a road or railway infrastructure (3a, 71) for land vehicles, cooperates with said pumping unit (7; 22; 104) and can move between an unloaded position of and a loaded position, in which said actuating element (22; 76) is adapted to be surmounted by a vehicle travelling along said road course (3), said actuating element (22; 76) having a contact surface (26) suitable for being in contact with said vehicles, said fluid device being characterized in that said pumping unit (7; 22; 104) comprises rigid walls (101, 107) and a membrane (108) connected in a fluid tight manner to said rigid walls (101, 107) and cooperating with said actuating element (22; 76) to pump said fluid into said delivery pipe (15).

17. (New) Fluid device according to claim 16, characterized in that it comprises a base (101) supporting said pumping unit (104) and defining a multiplicity of chambers (12) fluidly connected to said pumping unit (104).

18. (New) Fluid device according to claim 16, characterized in that said actuating element is a second membrane (22).

19. (New) Fluid device according to claim 16, characterized in that said actuating element is a rail (76).

20. (New) Fluid device according to claim 16, characterized in that said fluid follows a closed circuit (150).

21. (New) Fluid device according to claim 16, characterized in that it comprises rigid elements (105; 107a) disposed below said actuating element (22) and supporting said actuating element (22) in said loaded position.